



#3

SEQUENCE LISTING

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<120> METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES

<130> 09404/032001

<140> US 08/966,269

<141> 1997-11-07

<160> 15

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (368)...(517)

<400> 1

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ggggaccgtg tttgtggccc ccaagccggt gccccccatt ttggaactca gcgagtaggg      60
ggcggctctg gggaagtggc agggggcgca gcagctgctg cctccacttc cctagccagg      120
tgctgaagag gatcttcgga gccgctctgg cccccaggcg ctggatgact ggcaccagcg      180
ctcctcgcac ctgtgttggt gtgtgagact tgggctggag tgccccacgtg gctgtggagt      240
cagtgtgatt catgattgag gaaacgcgtc ctccatcctc tctctccttg gcactttcca      300
cacatgagga gaagaagagc ttctgttttag aagacacgtg cccagagtca gaggcccctt      360
gccacc atg aag gga acc tgt gtt ata gca tgg ctg ttc tca agc ctg      409
      Met Lys Gly Thr Cys Val Ile Ala Trp Leu Phe Ser Ser Leu
          1             5             10

ggg ctg tgg aga ctc gcc cac cca gag gcc cag ggt acg act cag tgc      457
Gly Leu Trp Arg Leu Ala His Pro Glu Ala Glu Gly Thr Thr Gln Cys
  15             20             25             30

cag aga aca ctc gag gtg aat att gtt tcc ccc agc tcc aag gca aca      505
Gln Arg Thr Leu Glu Val Asn Ile Val Ser Pro Ser Ser Lys Ala Thr
          35             40             45

ttc agt cca agt      517
Phe Ser Pro Ser
          50

```

<210> 2

<211> 50

<212> PRT

<213> Homo sapiens

<400> 2
Met Lys Gly Thr Cys Val Ile Ala Trp Leu Phe Ser Ser Leu Gly Leu
1 5 10 15
Trp Arg Leu Ala His Pro Glu Ala Gln Gly Thr Thr Gln Cys Gln Arg
20 25 30
Thr Leu Glu Val Asn Ile Val Ser Pro Ser Ser Lys Ala Thr Phe Ser
35 40 45
Pro Ser
50

<210> 3
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (132)...(506)

<400> 3
ttcttcctag tttctttttc ggcacaatat ttcaagttat accaagcata caatcaactc 60
ccaagttggg atccgaattc ggcacgagcg gcacgagttg tgcttcggag accgtaagga 120
tattgatgac c atg aga tcc ctg ctc aga acc ccc ttc ctg tgt ggc ctg 170
Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu
1 5 10
ctc tgg gcc ttt tgt gcc cca ggc gcc agg gct gag gag cct gca gcc 218
Leu Trp Ala Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala
15 20 25
agc ttc tcc caa ccc ggc agc atg ggc ctg gat aag aac aca gtg cac 266
Ser Phe Ser Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His
30 35 40 45
gac caa gag cat atc atg gag cat cta gaa ggt gtc atc aac aaa cca 314
Asp Gln Glu His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Pro
50 55 60
gag gcg gag atg tcg cca caa gaa ttg cag ctc cat tac ttc aaa atg 362
Glu Ala Glu Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met
65 70 75
cat gat tat gat ggc aat aat ttg ctt gat ggc tta gaa ctc tcc aca 410
His Asp Tyr Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr
80 85 90
gcc atc act cat gtc cat aag gag gaa ggg agt gaa cag gca cca ctc 458
Ala Ile Thr His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu
95 100 105
gag gtg aat att gtt tcc ccc agc tcc aag gca aca ttc agt cca agt 506
Glu Val Asn Ile Val Ser Pro Ser Ser Lys Ala Thr Phe Ser Pro Ser
110 115 120 125

<210> 4

<211> 125
 <212> PRT
 <213> Homo sapiens

<400> 4
 Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu Leu Trp Ala
 1 5 10 15
 Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala Ser Phe Ser
 20 25 30
 Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His Asp Gln Glu
 35 40 45
 His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Pro Glu Ala Glu
 50 55 60
 Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met His Asp Tyr
 65 70 75 80
 Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr Ala Ile Thr
 85 90 95
 His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu Glu Val Asn
 100 105 110
 Ile Val Ser Pro Ser Ser Lys Ala Thr Phe Ser Pro Ser
 115 120 125

<210> 5
 <211> 32
 <212> PRT
 <213> Mus musculus

<400> 5
 Met Lys Gly Ala Cys Ile Leu Ala Trp Leu Phe Ser Ser Leu Gly Val
 1 5 10 15
 Trp Arg Leu Ala Arg Pro Glu Thr Gln Asp Pro Ala Lys Cys Gln Arg
 20 25 30

<210> 6
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 6
 Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met His Asp Tyr
 1 5 10 15
 Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr Ala Ile Thr
 20 25 30
 His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu
 35 40 45

<210> 7
 <211> 28
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

<400> 7

ctcgagctca gagaatcagc aactgtga 28

<210> 8
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 8
agatcttcat acttttctca tgttgatttt cc 32

<210> 9
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 9
ctcgagggtga atattgtttc cccagctc 29

<210> 10
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 10
ctcgaggata atggtgaata ttgtttcccc cagctc 36

<210> 11
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> primer
<222> (11)...(16)
<223> where "n" at positions 11-16 is any one of A, T, G, or C

<400> 11
ctgactcgag nnnnnn 16

<210> 12
<211> 24
<212> DNA
<213> Artificial Sequence

<220>

<223> primer

<400> 12

gagcaacggg atacggcctt cctt

24

<210> 13

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 13

gggatatgcc ccattatcca tc

22

<210> 14

<211> 32

<212> PRT

<213> Homo sapiens

<400> 14

Met	Lys	Gly	Thr	Cys	Val	Ile	Ala	Trp	Leu	Phe	Ser	Ser	Leu	Gly	Leu
1				5				10					15		
Trp	Arg	Leu	Ala	His	Pro	Glu	Ala	Gln	Gly	Thr	Thr	Gln	Cys	Gln	Arg
			20					25					30		

<210> 15

<211> 108

<212> PRT

<213> Homo sapiens

<400> 15

Met	Arg	Ser	Leu	Leu	Arg	Thr	Pro	Phe	Leu	Cys	Gly	Leu	Leu	Trp	Ala
1				5				10					15		
Phe	Cys	Ala	Pro	Gly	Ala	Arg	Ala	Glu	Glu	Pro	Ala	Ala	Ser	Phe	Ser
			20					25					30		
Gln	Pro	Gly	Ser	Met	Gly	Leu	Asp	Lys	Asn	Thr	Val	His	Asp	Gln	Glu
		35				40						45			
His	Ile	Met	Glu	His	Leu	Glu	Gly	Val	Ile	Asn	Lys	Glu	Ala	Glu	Met
	50				55						60				
Ser	Pro	Gln	Glu	Leu	Gln	Leu	His	Tyr	Phe	Lys	Met	His	Asp	Tyr	Asp
	65				70					75				80	
Gly	Asn	Asn	Leu	Leu	Asp	Gly	Leu	Glu	Leu	Ser	Thr	Ala	Ile	Thr	His
			85					90						95	
Val	His	Lys	Glu	Glu	Gly	Ser	Glu	Gln	Ala	Pro	Leu				
			100					105							